

Abstract of the Disclosure

A phosphor excited by a vacuum ultraviolet ray has composition substantially expressed by $L_{1-x}Tb_xAl_3(BO_3)_4$, or $L_{1-x-y}Tb_xCe_yAl_3(BO_3)_4$ (L denotes at least one of element selected from Y and Gd, $0.1 < x \leq 0.7$, and $0.00001 \leq y \leq 0.01$). The phosphor excited by a vacuum ultraviolet ray emits a strong green emission when irradiated with the vacuum ultraviolet ray of 200 nm or less in wavelength, and suitably applied to a light emitting apparatus such as a rare gas discharge lamp or a PDP using a vacuum ultraviolet ray as an exciting source.